

TMS Maritime is a leading UK specialist in marine civil engineering, ancillary floating plant and diving services

Clients: Gael Force Engineering Ltd
Perth & Kinross Council

Duration: 8 weeks, November 2016
Project Value: £192,000

Project: River Tay Pontoons, Perth

Perth & Kinross Council awarded a project to Gael Force Engineering Ltd for the construction of new seasonal water taxi pontoon berths to be located on the River Tay at two separate locations - at Fergusson Gallery in the heart of Perth and also further downstream at Willowgate.

As marine and piling specialists, TMS were contracted by Gael Force to undertake geotechnical site investigations, design of the reinforced concrete bridge foundations, tubular pile design, construction of the foundations and installation of painted piles as well as the precise placing into position of two linkspan bridges.



Piles were installed along the river's edge to serve as support for the two linkspan bridges and also so that the pontoons could be attached to them. Between the two sites, a total of eight piles each measuring 457mm x 13m were installed. Reinforced concrete foundations were also constructed by TMS at both sites using our multi-disciplinary marine civil engineering resources.

Land access to both sites was severely restricted and unsuitable for piling plant. Due to the very shallow depth of the river, piles were driven to level using a vibro suspended from the deck crane of a multi-cat. work vessel. Piles were tested using static loading techniques before TMS' expertly skilled personnel then site welded the bridge heads and lowered the two linkspan bridges into position.

